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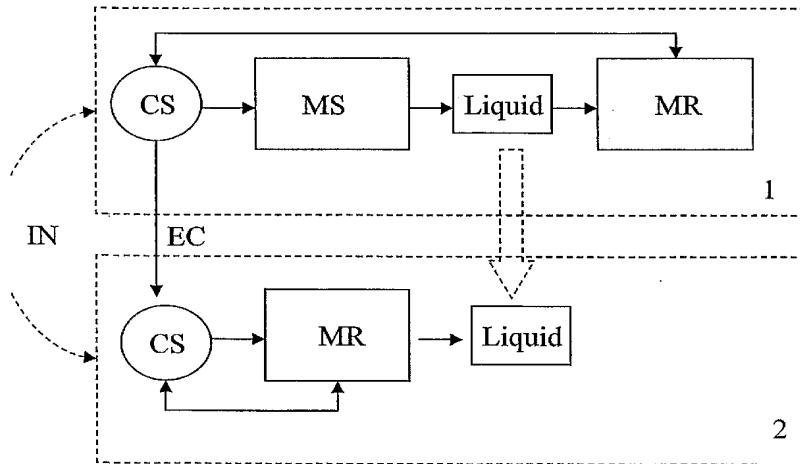
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(54) Title: METHOD FOR AUTOMATIC ENCRYPTED MARKING AND IDENTIFYING THE LIQUIDS



(57) **Abstract:** The invention provides a method for automatic encrypted marking of liquids and for identifying liquids marked by using this method. For marking certain number of markers is selected and for every marker a random number is generated, which define the amount of a marker used. Based on the number of markers, their measured concentrations and the relation of markers concentrations in the marked liquid, a specific marking code is compiled, characteristic only for this liquid. The marking code is encrypted and delivered to an authorized user. The encrypted marking code is decrypted and for identifying the liquid the original parameters contained in the marking code are compared with parameters actually measured on-site. This identification is carried out automatically in real time without any need for laboratory analyses, thus practically excluding human factor in both the marking and identification processes.

WO 2005/090527 A1

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